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ABSTRACT SUBMITTAL FORM

Deadline: Wednesday, 10 July 1996

Sub	ject Classification Category 7.5 Pinches 🛛	Theory
	*Energetics in Imploding Z-Pinches Deeney[2], J. S. De Groot[1,2,3], K. Hammer[1], T. W. L. Sanford[2], R. B. Spin [1] Lawrence Livermore National Laborat Laboratories, [3] UC Davis. High atom pinches are prodigious x-ray radiators converted to radial kinetic energy Surprisingly, the x-ray yield, Y, is large energy. This extra energy increases with aluminum to ~ 0.5 Y in gold and tungs observed on the SATURN accelerator at Deeney this session) that the time scale for energy is reduced by improving the compret to convert the extra magnetic energy to elebe reviewed in light of the experimental reserviewed in light of the experimental reserviewed.	G. Estabrook[1], J. H. elman[2], and A. Toor[1]; tory, [2]Sandia National ic number imploding z-s. Magnetic energy is during the implosion. or than the radial kinetic atomic mass (~ 0.2 Y in sten). We have recently SNL (see poster by C. or the development of this ession ratio. Mechanisms ctron thermal energy will ults
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